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CPY - LIOY

DC - B05

FS - CPI

IC - A61K9/08 ; A61K47/28

MC - B03-H B04-C03C B07-A02 B07-D09 B12-L04 B12-M02B

PA - (LIOY) LION CORP

PN - JP5271053-A 19931019 DW199346 A61K9/08 005pp

PR - JP19920117879-19920327

XA - C1993-161817

XIC - A61K-009/08 ; A61K-047/28

AB - J05271053 In eye lotions comprising ester type nonionic surfactants, glyceric acid salts, naphazoline salts, and tocopherols, the content of the glyceric acids is made 100-500 wt. % to the ester type nonionic surfactants and the pH of the eye lotions is adjusted to 5.0-6.0 to stabilise the lotions.

- The ester type nonionic surfactants are selected from higher fatty acid esters of water-soluble polyoxyethylene hardened castor oil, polyoxyethylene sorbitan higher fatty acid esters, and other similar surfactants (e.g. polyoxyethylene hardened castor oil 60) and are added pref. at the conc. of 0.1-0.3 wt. % in the compsn.
- USE/ADVANTAGE - The lotions useful in the treatment of eye disorders can inhibit the hydrolysis of the ester-type nonionic surfactants and the decomposition of the naphazoline salts and thus can provide eye lotions which are stable for a prolonged period.
- In an example, a mixt. of 0.2% di-K glycerate, 0.5% tocopherol acetate, 0.003% naphazoline HC1, 0.2% POE (60) hardened castor oil, 0.1% 10% benzalkonium chloride soln. and distilled water at pH 5.8 (adjusted with NaH2PO4 and Na2HPO4 and made isotonic with NaCl) was placed in a container and stored at 40 deg.C for 6 months. The remaining ratio of naphazoline HC1 was 95% and no pptn. was observed. (Dwg.0/0)

IW - STABILISED EYE LOTION CONTAIN NONIONIC ESTER TYPE SURFACTANT  
GLYCERIC ACID SALT SALT TOCOPHEROL

IKW - STABILISED EYE LOTION CONTAIN NONIONIC ESTER TYPE SURFACTANT  
GLYCERIC ACID SALT SALT TOCOPHEROL

NC - 001

OPD - 1992-03-27

ORD - 1993-10-19

PAW - (LIOY) LION CORP

TI - Stable eye lotions - contain nonionic ester type surfactant,  
glyceric acid salt, naphazoline salt and tocopherol